

**ABSTRACT**

A flexible medium voltage interconnection adapted to electrically interconnect receiving connectors of "bushings" of equipment stations. The interconnection comprises a conductive core including a metal conductor with, at each end thereof, an electrical connector adapted to mate the receiving connector of the bushing, and a flexible tube having at least an insulating layer of elastomeric material and covering the whole conductive core. The elastomeric material of the tube is preferably a synthetic terpolymer of ethylene, propylene and diene [EPDM] to increase the flexibility of the whole. In the method, the tube is expanded over the metal core of which the ends are foreseen with locking rings mating grooves of the tube in order to prevent a relative movement of the core with respect to the tube.